

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : KYOCERA CORP

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(72)Inventor : KASHIWAZAKI AKIRA

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## (54) OPTICAL FIBER ARRAY BODY

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a structure of the optical fiber array component which has plural optical fibers arrayed and fixed by a holding substrate.

**SOLUTION:** As the structure of the optical fiber array body which holds and fixes many optical fibers, an array substrate 11 having through holes 12 arrayed in two dimensions so as to inserted and position optical fibers is constituted by forming through holes 12 in a conductive material by discharge machining. Plural array substrates 11 are prepared and the optical fibers are inserted into the respective array substrates to secure the stability of the parallelism of the optical fibers along the optical axes. To mutually align the array substrates, plural common guide pins are used.

